

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L5	1	"20040135701"	US-PGPUB; USPAT	OR	OFF	2009/07/08 13:30
L6	12	{"5192947"   "5224150"   "5453929"   "5541572"   "5815407"   "5842112"   "5887258"   "5907613"   "6011973"   "6098118"   "6343213"   "6477384").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/07/08 13:32
L7	5	"6980079"	US-PGPUB; USPAT; USOCR	OR	OFF	2009/07/08 15:23
L8	1	"6983306"	US-PGPUB; USPAT; USOCR	OR	OFF	2009/07/08 15:24
S1	1	("6529605").PN.	US-PGPUB; USPAT	OR	OFF	2006/11/15 15:15
S2	2	"20030002688"	US-PGPUB; USPAT	OR	OFF	2006/11/15 15:17
S3	1	"20060045280"	US-PGPUB; USPAT	OR	OFF	2006/11/15 15:17
S4	527	381/58	US-PGPUB; USPAT	OR	OFF	2006/11/27 12:36
S5	532818	conflict or noise	US-PGPUB; USPAT	OR	OFF	2006/11/27 10:53
S6	275	S4 and S5	US-PGPUB; USPAT	OR	OFF	2006/11/27 10:53
S7	11	{"20020169614"   "3582671"   "3661224"   "3667138"   "3913081"   "4122432"   "4424511"   "5400011"   "5778077"   "5971913"   "6421644").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/11/27 11:35
S8	61706	hierarchical	US-PGPUB; USPAT	OR	OFF	2006/11/27 12:37

S9	8	S4 and S8	US-PGPUB; USPAT	OR	OFF	2006/11/27 12:40
S10	2216	"audio sources"	US-PGPUB; USPAT	OR	OFF	2006/11/27 12:40
S11	18	S4 and S10	US-PGPUB; USPAT	OR	OFF	2006/11/27 12:40
S12	5	audio near conflict	US-PGPUB; USPAT	OR	OFF	2006/11/27 13:06
S13	1835	audio near (conflict or noise)	US-PGPUB; USPAT	OR	ON	2006/11/27 13:06
S14	0	"boss-gregory.in"	US-PGPUB; USPAT	OR	OFF	2006/11/29 11:33
S15	0	"boss-gregory\$.in"	US-PGPUB; USPAT	OR	OFF	2006/11/29 11:34
S16	0	"boss-gregory\$.in."	US-PGPUB; USPAT	OR	OFF	2006/11/29 11:34
S17	0	"boss-gregory\$.inv."	US-PGPUB; USPAT	OR	OFF	2006/11/29 11:34
S18	16	boss-gregory\$.in.	US-PGPUB; USPAT	OR	OFF	2006/11/29 12:44
S19	97	gusler-carl\$.in.	US-PGPUB; USPAT	OR	OFF	2006/11/29 14:56
S20	140	hamilton-rick\$.in.	US-PGPUB; USPAT	OR	OFF	2006/11/29 15:04
S21	78	seaman-james\$.in.	US-PGPUB; USPAT	OR	OFF	2006/11/29 15:04
S22	6	"5528673"	US-PGPUB; USPAT	OR	OFF	2006/12/01 12:27
S23	1	"20040185778"	US-PGPUB; USPAT	OR	OFF	2006/12/01 13:32
S24	727	379/102	US-PGPUB; USPAT	OR	OFF	2006/12/01 13:32
S25	1289	455/41	US-PGPUB; USPAT	OR	OFF	2006/12/01 13:32

S26	16156	(memory or storage) near database	US-PGPUB; USPAT	OR	OFF	2007/04/16 17:08
S27	727	379/102	US-PGPUB; USPAT	OR	OFF	2007/04/16 17:08
S28	4	S26 and S27	US-PGPUB; USPAT	OR	OFF	2007/04/16 18:00
S29	5312	noise near cancel\$4	US-PGPUB; USPAT	OR	OFF	2007/04/16 18:00
S30	0	S27 and S29	US-PGPUB; USPAT	OR	OFF	2007/04/16 18:09
S31	554	381/58	US-PGPUB; USPAT	OR	OFF	2007/04/16 18:09
S32	15	S29 and S31	US-PGPUB; USPAT	OR	OFF	2007/04/16 18:09
S33	20	(US-20030002688-\$ or US-20060045280-\$ or US-20020169614-\$ or US-20020131604-\$ or US-20040185778-\$ or US-20020143413-\$).did. or (US-6594363-\$ or US-5400011-\$ or US-6686839-\$ or US-6529605-\$ or US-5971913-\$ or US-6413097-\$ or US-7043028-\$ or US-6209028-\$ or US-6252968-\$ or US-5528673-\$ or US-6071123-\$ or US-6813577-\$ or US-5329593-\$ or US-6721428-\$).did.	US-PGPUB; USPAT	OR	OFF	2007/04/17 10:27
S34	5319	noise near cancel\$4	US-PGPUB; USPAT	OR	OFF	2007/04/17 10:27
S35	2	S33 and S34	US-PGPUB; USPAT	OR	OFF	2007/04/17 11:29
S36	1	S33 and barrier	US-PGPUB; USPAT	OR	OFF	2007/04/17 11:30
S37	727	379/102	US-PGPUB; USPAT	OR	OFF	2007/04/17 11:30
S38	18	S37 and barrier	US-PGPUB; USPAT	OR	OFF	2007/04/30 09:48
S39	29335	tabular	US-PGPUB; USPAT	OR	OFF	2007/04/30 09:16

S40	728	379/102	US-PGPUB; USPAT	OR	OFF	2007/04/30 09:17
S41	4	S39 and S40	US-PGPUB; USPAT	OR	OFF	2007/04/30 09:18
S42	561	381/58	US-PGPUB; USPAT	OR	OFF	2007/04/30 09:18
S43	10	S39 and S42	US-PGPUB; USPAT	OR	OFF	2007/04/30 09:18
S44	0	"physial barrier"	US-PGPUB; USPAT	OR	OFF	2007/04/30 09:48
S45	7360	"physical barrier"	US-PGPUB; USPAT	OR	OFF	2007/04/30 09:48
S46	1482071	S45 or door or wall	US-PGPUB; USPAT	OR	OFF	2007/04/30 09:49
S47	728	379/102	US-PGPUB; USPAT	OR	OFF	2007/04/30 09:49
S48	170	S46 and S47	US-PGPUB; USPAT	OR	OFF	2007/04/30 09:50
S49	0	S45 and S47	US-PGPUB; USPAT	OR	OFF	2007/04/30 09:50
S50	0	S45 and 381/58	US-PGPUB; USPAT	OR	OFF	2007/04/30 09:50
S51	1020	381/104	US-PGPUB; USPAT	OR	OFF	2007/06/20 18:59
S52	948	S51 and control	US-PGPUB; USPAT	OR	OFF	2007/06/20 19:03
S53	0	S51 and control7 and location	US-PGPUB; USPAT	OR	OFF	2007/06/20 19:04
S54	243	S51 and control and location	US-PGPUB; USPAT	OR	OFF	2007/06/20 19:04

S55	44	("3789143" "4169219" "4216427" "4249042"   "4306202" "4322579" "4368435" "4482973"   "4553257" "4558460" "4562591" "4628526"   "4641361" "4853963" "4859964" "4868881"   "4882762" "4891837" "4947133" "4953221"   "4972164" "5081682" "5107539" "5170437"   "5172358" "5208866" "5434922" "5444788"   "5450494" "5463695" "5509081" "5530761"   "5550922" "5550925" "5615270" "5631968"   "5666426" "5784476" "5796847" "5844994"   "5983183" "6104222" "6529605" "6678382").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/21 10:26
S56	98	("20020068986" "20030128859" "20030165247"   "3571529" "3718763" "3764745" "3808354"   "3894195" "3962543" "3989904" "4039750"   "4051331" "4201225" "4284847" "4289935"   "4425481" "4471171" "4548082" "4622440"   "4677679" "4731850" "4791672" "4868880"   "4879749" "4887299" "4926139" "5027410"   "5046102" "5086464" "5146501" "5195132"   "5197332" "5333195" "5355418" "5371799"   "5388185" "5406633" "5406635" "5452359"   "5485515" "5495534" "5500902" "5521919"   "5524148" "5526423" "5539806" "5592545"   "5596507" "5608803" "5615270" "5630159"   "5638438" "5663727" "5706352" "5717767"   "5721783" "5737389" "5737719" "5794201"   "5802164" "5811681" "5848171" "5854843"   "5854978" "5867457" "5868683" "5890124"   "5892836" "5896449" "5903655" "5907823"   "5910990" "5923764" "5928160" "5930758"   "5943413" "5956674" "5974380" "5978762"   "5987418" "6022315" "6029126" "6036496"   "6055502" "6061431" "6072885" "6078675"   "6094481" "6098039" "6104822" "6212496"   "6322521" "6433801" "6463128" "6674867"   "6684063" "6694143" "6913578").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/21 11:19
S57	11	("4243973" "4425477" "4438527" "4442319"   "4626848" "4805206" "4807052" "4885579"   "5128987" "5233646" "5251253").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/21 12:11

S58	6	("5528673").URPN.	USPAT	OR	OFF	2007/06/21 12:25
S59	0	"20040135701"	USPAT	OR	OFF	2007/06/21 12:25
S60	1	"20040135701"	US-PGPUB; USPAT	OR	OFF	2007/06/21 14:18
S61	66	381/104 and temperature	US-PGPUB; USPAT	OR	OFF	2007/06/21 15:12
S62	56	yasuda-kei\$.in.	US-PGPUB; USPAT	OR	OFF	2007/06/21 15:13
S63	3	motohashi-yoshihiko\$.in.	US-PGPUB; USPAT	OR	OFF	2007/06/21 15:14
S64	3	okuno-kohji\$.in.	US-PGPUB; USPAT	OR	OFF	2007/06/21 15:14
S65	27	(US-20040135701-\$ or US-20020143413-\$ or US-20020131604-\$ or US-20020169614-\$ or US-20060045280-\$ or US-20030002688-\$ or US-20040185778-\$).did. or (US-5400011-\$ or US-7043028-\$ or US-6999591-\$ or US-6721428-\$ or US-5971913-\$ or US-6413097-\$ or US-5218627-\$ or US-7181297-\$ or US-5329593-\$ or US-6594363-\$ or US-6252968-\$ or US-6209028-\$ or US-6071123-\$ or US-5528673-\$ or US-6529605-\$ or US-7020488-\$ or US-6686839-\$ or US-5424587-\$ or US-5488654-\$ or US-6813577-\$).did.	US-PGPUB; USPAT	OR	OFF	2007/06/24 20:16
S66	11	S65 and threshold	US-PGPUB; USPAT	OR	OFF	2007/06/24 20:22
S67	379	381/107 and threshold	US-PGPUB; USPAT	OR	OFF	2007/06/24 20:34
S68	0	381/107 and (threshold near sources)	US-PGPUB; USPAT	OR	OFF	2007/06/24 20:34
S69	379	381/107 and (threshold samersources)	US-PGPUB; USPAT	OR	OFF	2007/06/24 20:34
S70	20	381/107 and (threshold same sources)	US-PGPUB; USPAT	OR	OFF	2007/06/24 20:44

S71	40	381/104 and (threshold same sources)	US-PGPUB; USPAT	OR	OFF	2007/06/24 21:12
S72	25	("4375287"   "4588187"   "4593904"   "4825054"   "5252775"   "5339095"   "5355302"   "5389950"   "5499921"   "5546039"   "5561709"   "5659466"   "5680533"   "5691964"   "5697844"   "5781889"   "5864811"   "5903266"   "6018726"   "6247022"   "6280327"   "6308204"   "6336219"   "6544122"   "6590838").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/24 21:07
S73	1180	(volume near control) same sources	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/24 21:07
S74	43	S73 and 381/104	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/24 21:07
S75	37	381/104 and (threshold same channels)	US-PGPUB; USPAT	OR	OFF	2007/06/24 21:18
S76	182	381/104 and (threshold same signals)	US-PGPUB; USPAT	OR	OFF	2007/06/24 21:19
S77	160908	solenoid	US-PGPUB; USPAT	OR	OFF	2007/06/25 10:03
S78	4	S77 and 381/104	US-PGPUB; USPAT	OR	OFF	2007/06/25 11:13
S79	384	S77 near door	US-PGPUB; USPAT	OR	OFF	2007/06/25 11:14
S80	0	S79 and 381/104	US-PGPUB; USPAT	OR	OFF	2007/06/25 11:13
S81	7	"5528673"	US-PGPUB; USPAT	OR	OFF	2007/08/20 16:39
S82	11	("4243973"   "4425477"   "4438527"   "4442319"   "4626848"   "4805206"   "4807052"   "4885579"   "5128987"   "5233646"   "5251253").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/22 13:09
S83	1050	381/104	US-PGPUB; USPAT	OR	OFF	2007/10/24 10:47
S84	4	S83 and solenoid	US-PGPUB; USPAT	OR	OFF	2007/10/24 10:50

S85	2	381/105 and solenoid	US-PGPUB; USPAT	OR	OFF	2007/10/24 10:51
S86	3	381/106 and solenoid	US-PGPUB; USPAT	OR	OFF	2007/10/24 10:52
S87	7	381/107 and solenoid	US-PGPUB; USPAT	OR	OFF	2007/10/24 10:52
S88	734	379/102	US-PGPUB; USPAT	OR	OFF	2007/10/25 13:26
S89	0	specified near user near hierarchical near solenoid near door near audi near evel	US-PGPUB; USPAT	OR	OFF	2007/10/25 13:27
S90	0	specified near user near hierarchical near solenoid near door near audi near level	US-PGPUB; USPAT	OR	OFF	2007/10/25 13:27
S91	0	specified same user same hierarchical same solenoid same door same audi same level	US-PGPUB; USPAT	OR	OFF	2007/10/25 13:28
S92	0	specified same user same hierarchical same audi same level	US-PGPUB; USPAT	OR	OFF	2007/10/25 13:28
S93	19	specified same user same hierarchical same audio same level	US-PGPUB; USPAT	OR	OFF	2007/10/25 13:29
S94	1	(specified same user same hierarchical same audio same level).clm.	US-PGPUB; USPAT	OR	OFF	2007/10/25 13:29
S95	36211	(specified same user same hierarchical same audio same levelsame solenoid).clm.	US-PGPUB; USPAT	OR	OFF	2007/10/25 13:29
S96	0	(specified same user same hierarchical same audio same level same solenoid).clm.	US-PGPUB; USPAT	OR	OFF	2007/10/25 13:29
S97	1942	340/825.22	US-PGPUB; USPAT	OR	OFF	2008/06/25 17:31
S98	864	S97 and location	US-PGPUB; USPAT	OR	OFF	2008/06/25 17:31
S99	64	S97 and (location same distan\$3)	US-PGPUB; USPAT	OR	OFF	2008/06/25 17:33
S100	10	("20030011467"   "5119504"   "5223844"   "5386478"   "5408238"   "5506717"   "6081199"   "6429769"   "6650894"   "6681110").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/25 17:44



S101	7	"5528673"	US-PGPUB; USPAT	OR	OFF	2008/07/11 12:58
S102	1	"20030223612"	US-PGPUB; USPAT	OR	OFF	2008/07/11 12:58
S103	36	"5329593"	US-PGPUB; USPAT	OR	OFF	2008/07/11 12:58
S104	19	"5424587"	US-PGPUB; USPAT	OR	OFF	2008/07/11 12:59
S105	1	"20070274539"	US-PGPUB; USPAT	OR	OFF	2008/07/11 13:51
S106	39	(US-20020131604-\$ or US-20040156514-\$ or US-20050047612-\$ or US-20030223612-\$ or US-20060045280-\$ or US-20030002688-\$ or US-20020143413-\$ or US-20040008851-\$ or US-20040185778-\$ or US-20050030168-\$ or US-20040135701-\$ or US-20020169614-\$ or US-20070274539-\$).did. or (US-6813577-\$ or US-5233646-\$ or US-5400011-\$ or US-6594363-\$ or US-6529605-\$ or US-6071123-\$ or US-6209028-\$ or US-6252968-\$ or US-6686839-\$ or US-7043028-\$ or US-7020488-\$ or US-6721428-\$ or US-5971913-\$ or US-6413097-\$ or US-5329593-\$ or US-5488654-\$ or US-5424587-\$ or US-5218627-\$ or US-7181297-\$ or US-6898161-\$ or US-6999591-\$ or US-5528673-\$ or US-6876310-\$ or US-6681110-\$ or US-6650894-\$ or US-6329908-\$).did.	US-PGPUB; USPAT	OR	OFF	2008/12/08 16:31
S107	20	S106 and location	US-PGPUB; USPAT	OR	OFF	2008/12/08 16:33
S108	12	S106 and distan\$3	US-PGPUB; USPAT	OR	OFF	2008/12/08 16:37

S109	39	(US-20020131604-\$ or US-20040156514-\$ or US-20050047612-\$ or US-20030223612-\$ or US-20060045280-\$ or US-20030002688-\$ or US-20020143413-\$ or US-20040008851-\$ or US-20040185778-\$ or US-20050030168-\$ or US-20040135701-\$ or US-20020169614-\$ or US-20070274539-\$).did. or (US-6813577-\$ or US-5233646-\$ or US-5400011-\$ or US-6594363-\$ or US-6529605-\$ or US-6071123-\$ or US-6209028-\$ or US-6252968-\$ or US-6686839-\$ or US-7043028-\$ or US-7020488-\$ or US-6721428-\$ or US-5971913-\$ or US-6413097-\$ or US-5329593-\$ or US-5488654-\$ or US-5424587-\$ or US-5218627-\$ or US-7181297-\$ or US-6898161-\$ or US-6999591-\$ or US-5528673-\$ or US-6876310-\$ or US-6881110-\$ or US-6650894-\$ or US-6329908-\$).did.	US-PGPUB; USPAT	OR	OFF	2009/01/16 11:32
S110	16	S109 and threshold	US-PGPUB; USPAT	OR	OFF	2009/01/16 11:32
S111	4	"10925262"	US-PGPUB; USPAT	OR	OFF	2009/01/16 12:21
S112	351	(381/104,105,109,58).cds. and threshold	US-PGPUB; USPAT	OR	OFF	2009/01/16 12:50
S113	0	379/102.3 and threshold	US-PGPUB; USPAT	OR	OFF	2009/01/16 12:51
S114	409	455/41.2 and threshold	US-PGPUB; USPAT	OR	OFF	2009/01/16 12:51
S115	14	(381/104,105,109,58).cds. and solenoid	US-PGPUB; USPAT	OR	OFF	2009/01/16 12:51
S116	1	"20070274539"	US-PGPUB; USPAT	OR	OFF	2009/06/04 10:10
S117	2	(aud\$6 same source\$3 same solenoid same circuit same conflict\$2 same level same thresh\$6 same door).dm.	US-PGPUB; USPAT	OR	OFF	2009/06/04 10:14
S118	15	(381/104,105,109,58).cds. and solenoid	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/06/04 10:18
S119	1090	(381/104,105,109,58).cds. and audio	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/06/04 10:19

S120	365	{381/104,105,109,58}.ccls. and threshold	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/06/04 10:19
S121	0	379/102.3 and threshold	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/06/04 10:19
S122	990	340/540 and threshold	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/06/04 10:20
S123	12	{381/104,105,109,56}.ccls. and solenoid	US-PGPUB; USPAT	OR	OFF	2009/06/04 10:23
S124	18	379/102.3	US-PGPUB; USPAT	OR	OFF	2009/06/04 10:26
S125	1	"20060045289"	US-PGPUB; USPAT	OR	OFF	2009/06/04 10:56
S126	1	"20050207594"	US-PGPUB; USPAT	OR	OFF	2009/06/04 10:58
S127	8	"4126827"	US-PGPUB; USPAT	OR	OFF	2009/06/04 11:07
S128	1	"20030179890"	US-PGPUB; USPAT	OR	OFF	2009/06/04 11:09
S129	945	{381/104,105,106,107,108,109,58,56,77}.ccls. and threshold	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/06/05 15:18
S130	8	{381/104,105,106,107,108,109,58,56,77}.ccls. and (threshold near source\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2009/06/05 15:19
S131	604	{381/56,58,59,77}.ccls. and distan\$4	US-PGPUB; USPAT	OR	OFF	2009/07/07 15:21
S132	89	{381/56,58,59,77}.ccls. and (distan\$4 same apparatus)	US-PGPUB; USPAT	OR	OFF	2009/07/07 15:21
S133	1	"20040135701"	US-PGPUB; USPAT	OR	OFF	2009/07/07 15:32

7/8/2009 4:01:40 PM

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